L	Hits	Search Text	DB	Time stamp
Number 1	35939	print\$ and weld\$	USPAT;	2003/10/06
*		printy and werdy	US-PGPUB;	06:26
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
2	3415216	tube\$6 or sleeve\$6 or hollow or cylind\$4	USPAT;	2003/10/06
			US-PGPUB;	06:27
			EPO; JPO; DERWENT;	
			IBM TDB	
3	17183	(print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)	US-PGPUB;	06:28
			EPO; JPO;	
			DERWENT;	
4	2590587	ands on odres	IBM_TDB USPAT;	2003/10/06
4	2390367	ends or edges	US-PGPUB;	2003/10/06
			EPO; JPO;	00.20
			DERWENT;	
			IBM_TDB	
5	13091	((print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)) and	US-PGPUB;	06:29
		(ends or edges)	EPO; JPO; DERWENT;	
			IBM TDB	
6	2586960	plate	USPAT;	2003/10/06
		•	US-PGPUB;	06:30
			EPO; JPO;	
			DERWENT;	
7	7951	(//prints and walds) and (tubess on	IBM_TDB USPAT;	2002/10/06
'	7931	(((print\$ and weld\$) and (tube\$6 or sleeve\$6 or hollow or cylind\$4)) and	US-PGPUB;	2003/10/06
		(ends or edges)) and plate	EPO; JPO;	00.30
		, , , , , , , , , , , , , , , , , , , ,	DERWENT;	
			IBM_TDB	
8	235358	bead\$4 or blob	USPAT;	2003/10/06
			US-PGPUB;	06:33
			EPO; JPO; DERWENT;	
			IBM TDB	
9	924	((((print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)) and	US-PGPUB;	07:08
		(ends or edges)) and plate) and (bead\$4	EPO; JPO;	
		or blob)	DERWENT;	
10	3	("3490841" "5218405" "5418600").PN.	IBM_TDB USPAT	2003/10/06
10		(5.55541 5210465 5410606).PN.	OSEKI	06:42
11	699580	\$6weld\$6	USPAT;	2003/10/06
			US-PGPUB;	07:09
			EPO; JPO;	
			DERWENT;	
12	1759490	"12" and (tube\$6 or sleeve\$6 or hollow or	IBM_TDB USPAT;	2003/10/06
1-2	1,05,50	cylind\$4)	US-PGPUB;	07:12
		- '-'	EPO; JPO;	
			DERWENT;	
1.5	20255		IBM_TDB	
13	290762	(tube\$6 or sleeve\$6 or hollow or	USPAT;	2003/10/06
		cylind\$4) and \$6weld\$6	US-PGPUB; EPO; JPO;	07:13
			DERWENT;	
			IBM TDB	
14	13079	(ends or edges) and (((print\$ and weld\$)	USPĀT;	2003/10/06
		and (tube\$6 or sleeve\$6 or hollow or	US-PGPUB;	07:13
		cylind\$4)) and (ends or edges)) and	EPO; JPO;	
		((tube\$6 or sleeve\$6 or hollow or	DERWENT;	
L	l <u> </u>	cylind\$4) and \$6weld\$6)	IBM_TDB	i l

15	95360	(ends or edges) and plate and ((tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:14
		\$6weld\$6)	EPO; JPO;	
		, ,	DERWENT;	
			IBM TDB	
16	3883916	al or aluminum	USPAT;	2003/10/06
10	3003310	ar or armitridit	US-PGPUB;	07:14
			EPO; JPO;	07.14
			DERWENT;	
			IBM_TDB	
17	72594	((ends or edges) and plate and ((tube\$6	USPAT;	2003/10/06
		or sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:15
		\$6weld\$6)) and (al or aluminum)	EPO; JPO;	1
			DERWENT;	
			IBM_TDB	
18	1092689	expand\$6 or expansion\$3	USPAT;	2003/10/06
			US-PGPUB;	07:16
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
19	23090	(((ends or edges) and plate and ((tube\$6	USPAT;	2003/10/06
		or sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:16
1		\$6weld\$6)) and (al or aluminum)) and	EPO; JPO;	
		(expand\$6 or expansion\$3)	DERWENT;	
		(capanayo or capanaronya /	IBM TDB	
20	501935	bead\$4 or seam\$4 or bump\$3	USPAT;	2003/10/06
20	301933	beauty of seamity of bumpts	US-PGPUB;	07:17
			l	07:17
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	2222/22/22
21	5973	((((ends or edges) and plate and ((tube\$6	USPAT;	2003/10/06
		or sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:18
		\$6weld\$6)) and (al or aluminum)) and	EPO; JPO;	
		(expand\$6 or expansion\$3)) and (bead\$4	DERWENT;	
		or seam\$4 or bump\$3)	IBM_TDB	
22	5973	plate and ((((ends or edges) and plate	USPAT;	2003/10/06
		and ((tube\$6 or sleeve\$6 or hollow or	US-PGPUB;	07:18
		cylind\$4) and \$6weld\$6)) and (al or	EPO; JPO;	
		aluminum)) and (expand\$6 or expansion\$3	DERWENT;	
)) and (bead\$4 or seam\$4 or bump\$3))	IBM TDB	
23	1447754	\$6print\$5	USPAT;	2003/10/06
			US-PGPUB;	07:20
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
24	1165	 (plate and (((((ends or edges) and plate	USPAT;	2003/10/06
[- 3	1103	and ((tube\$6 or sleeve\$6 or hollow or	US-PGPUB;	
				08:10
		cylind\$4) and \$6weld\$6)) and (al or	EPO; JPO;	
		aluminum)) and (expand\$6 or expansion\$3	DERWENT;	
)) and (bead\$4 or seam\$4 or bump\$3))) and	IBM_TDB	
25		\$6print\$5		
25	8	("1963745" "3146709" "3750250"	USPAT	2003/10/06
	-	"4198739" "4643095" "4872407"		07:47
		"5351615" "5379693").PN.		
26	3	5492059.URPN.	USPAT	2003/10/06
1				07:51
27	9	("2274961" "2372665" "2647847"	USPAT	2003/10/06
		"2768433" "3098285" "3451903"		08:06
		"3461046" "3616520" "3633259").PN.		
28	10	3950839.URPN.	USPAT	2003/10/06
				08:08

L	Hits	Search Text	DB	Time stamp
Number			_	
1	323	(sheet adj metal) same draw\$3 same roll	USPAT;	2003/10/06
			US-PGPUB;	15:23
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
2	1690766	cut or cutting	USPAT;	2003/10/06
			US-PGPUB;	15:23
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
3	155	((sheet adj metal) same draw\$3 same roll)	USPAT;	2003/10/06
		and (cut or cutting)	US-PGPUB;	15:32
		,	EPO; JPO;	
			DERWENT;	
			IBM TDB	



L Number	Hits	Search Text	DB	Time stamp
1	1277	mandrel and weld\$4 and (crown or bump or seam or bead) and air	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/06 09:05